

ABSTRACT

Novel semiconducting compositions for use in semiconductive cable shields having improved electrical properties as measured by ACLT and AWIT are described. The composition contains a base polymer and about 25 percent to about 45 percent by weight of carbon black having particle size of from about 15 nm to about 22 nm, Iodine number of from about 115 mg/g to about 200 mg/g, and DBP number of from about 90 cm³/100 g to about 170 cm³/100 g.